

Step 1:

Create 3 PDSs:

- Create a data set for the cobol program – ex. KC02222.HELLO.COBOL
- Create a data set for the the JCL to compile/run the program – ex. KC02222.HELLO.JCL
- Create a data set for the resulting executable – ex. KC02222.HELLO.LOAD

Step 2:

Create the source code “Hello World” Cobol example – ex. KC02222.HELLO.COBOL(FIRST)

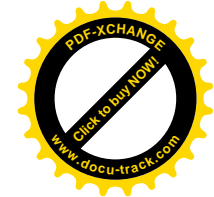
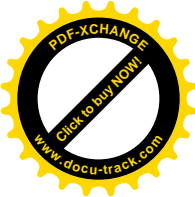
This would be done using ISPF. Note that the line numbers are created/updated automatically

```
EDIT      KC02170.HELLO.COBOL(FIRST) - 01.14      Columns 00001 00072
==MSG>      your edit profile using the command RECOVERY ON.
000100 000100 Identification division.
000200 000200 Program-id. HELLO.
000210 000210 Environment division.
000230 000230 Data Division.
000270 000270 Procedure division.
000271 000271*
000272 000272* Hello world program
000273 000273*
000274 000274 MyFirstParagraph.
000280 000280      Display "Hello world".
000290 000290      stop run.
***** ***** Bottom of Data *****

Command ==>      Scroll ==> PAGE
F1=Help      F2=Split      F3=Exit      F5=Rfind      F6=Rchange      F7=Up
F8=Down      F9=Swap      F10=Left      F11=Right      F12=Cancel

0.0 12/07/06.341 08:56PM ZOS.KCTR.MARIST.EDU      1,1
```

To test compile, from the ISPF editor, select the “Compile” Command (see above), and then select “foreground compilers”, then select (2) COBOL. The member to compile is the name of the COBOL program.



STEP 3:

Create the JCL used to compile/link/run the hello world example. It should be in the JCL PDS – ex. KC02222.HELLO.JCL(COMPILE).

```
EDIT          KC02170.HELLO.JCL(COMPILE) - 01.30          Columns 00001 00072
***** ***** Top of Data *****
==MSG> -Warning- The UNDO command is not available until you change
==MSG>          your edit profile using the command RECOVERY ON.
000100 //MYHELLO JOB
000200 /*
000300 /* IGYWCLG IS A SYSTEM PROVIDED MACRO TO COMPILE/LINK/RUN
000400 //STEP1  EXEC PROC=IGYWCLG
000410 /*
000500 /* FILE TO COMPILE/LINK AND RUN
001110 //COBOL.SYSIN DD DSN=KC02170.HELLO.COBOLE(FIRST),DISP=SHR
001111 /*
001112 /* FILE TO LINK
001120 //LKED.SYSMOD DD DSN=KC02170.HELLO.LOAD(FIRST),DISP=SHR
001122 /*
001123 /* OUTPUT GOES TO SCREEN OR OUTPUT FILE FROM BATCH
001140 //GO.SYSOUT DD SYSOUT=*
***** ***** Bottom of Data *****

Command ==> |                                     Scroll ==> PAGE
F1=Help      F2=Split      F3=Exit      F5=Rfind      F6=Rchange    F7=Up
F8=Down      F9=Swap      F10=Left   F11=Right   F12=Cancel

MA 0.0 12/07/06.341 09:00PM ZOS.KCTR.MARIST.EDU  a^ 22/7
```

STEP 4:

Execute the JCL – from within ISPF (when editing the JCL), enter the command ‘submit’ on the “Command ==>”

STEP 4:

View the results from executing the JCL. From the top level in ISPF, execute command 13 (SDSF). Select O (to view output from the batch job). You can Filter based on owner (your account id), then you should be able to see the output “MYHELLO” – that was the name of the JOB (you can see this in the JCL). To view the output, one would enter a “?” in the left column to see the output from different commands, and then an “s” in the left column prior to the name of the output for the command you are interested in viewing (ex. the “go” from above). You should see “Hello World” in that last output file.